

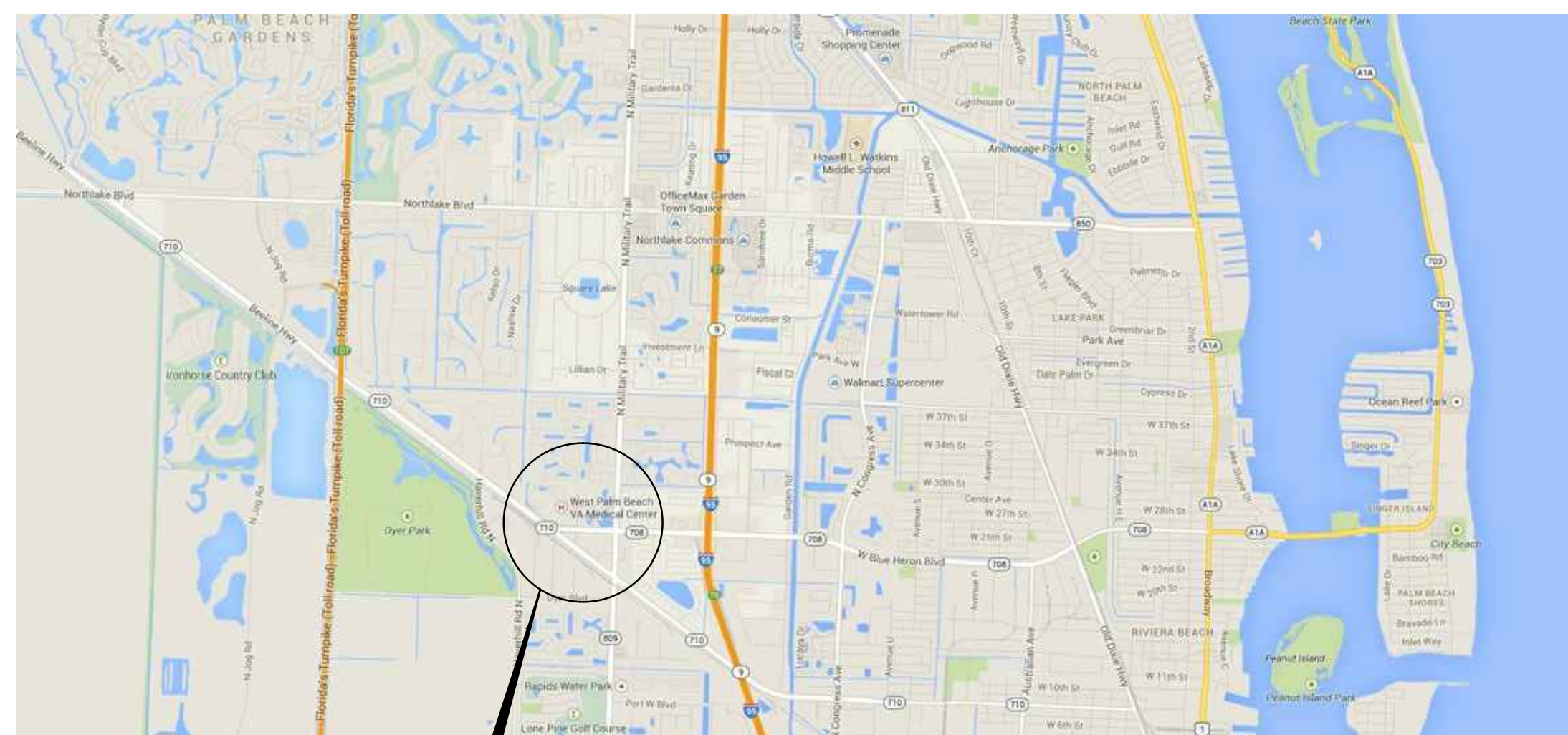
	one eighth inch = one foot		one quarter inch = one foot		three eighths inch = one foot		one half inch = one foot		three quarters inch = one foot		one inch = one foot		one and one half inches = one foot		three inches = one foot
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**15 JANUARY 2015**

This detailed site plan illustrates the layout of the VA Medical Center campus. Key features include:
 

- Buildings:** Emergency Well, Fisher House, Temp. Bldg., Nursing Home, Veterans Resource Center, Energy Center, VA Medical Center, and Laundry.
- Parking Areas:** Parking Lot 10, Parking Lot 11, Parking Lot 12, Employee Parking Garage, and a designated Parking Garage.
- Water Features:** Lake No. 2, Lake No. 3, Lake No. 4, Lake No. 5, and Lake No. 6. Existing wetlands are also indicated.
- Infrastructure:** Bee Line Highway to the southwest and Blue Heron Blvd. to the south.
- Other Labels:** Paramo Lot 15, Existing Wetlands, and various internal roadways and paths.

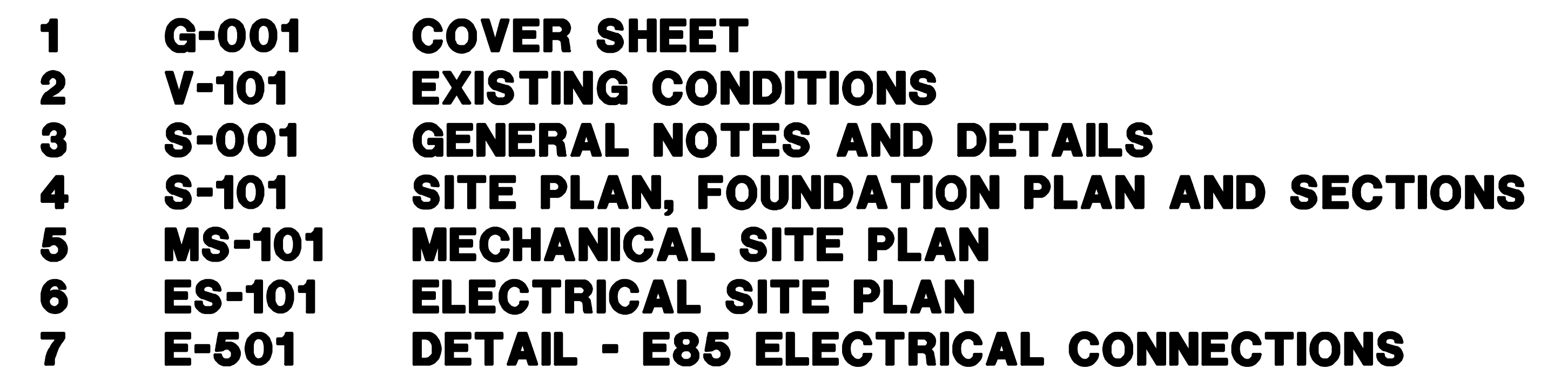
## VICINITY MAP



REV-DESC-9	REV-DATE
REV-DESC-8	REV-DATE
REV-DESC-7	REV-DATE
REV-DESC-6	REV-DATE
REV-DESC-5	REV-DATE
REV-DESC-4	REV-DATE
REV-DESC-3	REV-DATE
REV-DESC-2	REV-DATE
REV-DESC-1	REV-DATE
Revisions:	Date

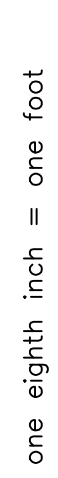
**RS&H**

# Department of Veterans Affairs




VA FORM 08-6231





**Office of  
Construction  
and Facilities  
Management**

 **Department of  
Veterans Affairs**

VA FORM 08-6231



STRUCTURAL DESIGN CRITERIA

DESIGN PER FLORIDA BUILDING CODE, 2010 WITH 2012 SUPPLEMENT

1. TYPICAL WIND LOADS:  
ULTIMATE DESIGN WIND SPEED,  $V_{ult}$  (3-SECOND GUST) \_\_\_\_\_ 170 MPH  
RISK CATEGORY \_\_\_\_\_ II  
WIND EXPOSURE \_\_\_\_\_ C

GENERAL STRUCTURAL NOTES

1. THE STRUCTURAL NOTES SHALL GOVERN IN MATTERS COVERED ON THE STRUCTURAL DRAWINGS. SEE PROJECT SPECIFICATION AND OTHER DRAWINGS FOR FURTHER REQUIREMENTS. TOTAL PROJECT DEFINITION WILL BE PROVIDED BY COMBINING PROJECT SPECIFICATIONS, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWING PACKAGES.
2. THE DRAWINGS REPRESENT THE FINISHED STRUCTURE, UNLESS OTHERWISE INDICATED. THEY DO NOT REPRESENT THE METHOD OF CONSTRUCTION.
3. TAKE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND ANY PERSONNEL DURING CONSTRUCTION. SUCH MEASURES SHOULD INCLUDE, BUT NOT BE LIMITED TO TEMPORARY BRACING AND SHORING OF DEAD LOADS, CONSTRUCTION LOADS, WIND LOADS, ETC.
4. FOR TYPICAL DETAILS SHOWN BUT NOT BE REFERRED TO EXCEPT HEREIN, CONFORM TO ALL OF THE REQUIREMENTS OF THESE DETAILS TO THE SAME EXTENT AS IF REFERRED TO BY DETAIL NUMBER.
5. VERIFY ALL EXISTING CONDITIONS OF EXISTING SITE AND STRUCTURE THAT ARE AFFECTED BY NEW WORK BEFORE PROCEEDING WITH FABRICATION AND CONSTRUCTION. FIELD VERIFY ALL EXISTING SLAB ELEVATIONS AND MATCH EXISTING ELEVATIONS WITH ADJACENT NEW SLAB CONSTRUCTION. FIELD VERIFY ALL DIMENSIONS OF EXISTING STRUCTURE ADJACENT TO NEW WORK AND COORDINATE ALL DISCREPANCIES WITH CONTRACT DOCUMENTS PRIOR TO FABRICATION AND CONSTRUCTION.

CONCRETE AND REINFORCING NOTES

1. ALL CONCRETE WORK SHALL COMPLY WITH THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (CURRENT EDITION ACI 318).
2. UNLESS OTHERWISE SHOWN ON DRAWINGS, MINIMUM COVER FOR REINFORCING SHALL BE AS FOLLOWS:
- GRADE BEAMS AND GROUND SLABS \_\_\_\_\_ 3" BOT; 1 1/2" TOP
3. ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONFORMANCE WITH THE CURRENT EDITIONS OF THE CRSI MANUAL OF STANDARD PRACTICE AND ACI 531 DURING THE PLACING OF THE CONCRETE.
4. REINFORCED BAR LAP SPLICES SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-11)
5. PROVIDE CAST IN PLACE BOLTS, INSERTS, ANCHORS, ETC FOR MECHANICAL AND ELECTRICAL EQUIPMENT, EVEN WHERE NOT SHOWN.
6. WELDED REINFORCEMENTS SHALL CONFORM TO AWS D1.4.
7. ALL HOOKS IN REINFORCING BARS SHALL BE AN ACI STANDARD HOOK, UNLESS OTHERWISE NOTED.
8. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4", UNLESS OTHERWISE NOTED.
9. COMPRESSIVE STRENGTH OF ALL CONCRETE SHALL BE:  $f'_c = 3000$  PSI.

SYMBOLS & ABBREVIATIONS

A	ANCHOR	HDG	HOT DIPPED GALVANIZED
B	BOTTOM	MAX	MAXIMUM
BRG	BEARING	MIN	MINIMUM
CL	CENTER LINE	OC(O.C.)	ON CENTER
CLR	CLEAR	PL	PLATE
CONC	CONCRETE	REINF	REINFORCEMENT
CONT	CONTINUOUS	STD	STANDARD
DEMO	DEMOLITION	STL	STEEL
EA	EACH	T	TOP
EL	ELEVATION	T+B	TOP AND BOTTOM
EMBED	EMBEDMENT	TYP	TYPICAL
EOR	ENGINEER OF RECORD	UNO	UNLESS NOTED OTHERWISE
EXIST	EXISTING	VERT	VERTICAL
EXP	EXPANSION	W/	WITH
GR	GRADE		
GF/CI	GOVERNMENT FURNISHED/ CONTRACTOR INSTALLED		

FOUNDATION NOTES:

1. PROVIDE ALL TEMPORARY BRACING AND OTHER MEASURES NECESSARY TO PROTECT THE STRUCTURE AND ANY PERSONNEL DURING CONSTRUCTION.
2. THE UPPER 6" OF THE EXISTING SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 90% MAXIMUM DENSITY ACCORDING TO ASTM D 1557,
3. REMOVE FREE WATER FROM EXCAVATIONS BEFORE PLACING CONCRETE.
4. ALL FOUNDATION WORK SHALL BE INSPECTED AND APPROVED FOR REQUIRED SOIL BEARING CAPACITY BY A COMPETENT SOILS ENGINEER OR THEIR REPRESENTATIVE PRIOR TO PLACEMENT OF CONCRETE. ASSUMED SOIL BEARING CAPACITY = 2500PSF.

POST-INSTALLED ANCHOR NOTES

GENERAL:

1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS.
2. "BASIS OF DESIGN" (BOD) ANCHOR PRODUCTS ARE THOSE INDICATED ON THE CONSTRUCTION DOCUMENTS. SUBSTITUTION REQUESTS FOR ANCHORS OTHER THAN BOD ANCHORS SHALL BE SUBMITTED TO THE EOR FOR WRITTEN APPROVAL. PROVIDE CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER DEMONSTRATING THAT THE SUBSTITUTED ANCHOR PRODUCT MEETS THE SPECIFIC PERFORMANCE REQUIREMENTS OF THE BOD ANCHOR PRODUCT.
3. CONTRACTOR SHALL CONTACT EOR FOR WRITTEN APPROVAL PRIOR TO INSTALLING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS.
4. ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS. CONTACT MANUFACTURER FOR TRAINING FOR PROPER ANCHOR INSTALLATION.
5. CARE SHALL BE TAKEN IN PLACEMENT TO AVOID CONFLICTS WITH EXISTING REBAR.
6. PROVIDE CONTINUOUS SPECIAL INSPECTION FOR ALL MECHANICAL AND ADHESIVE ANCHORS, AS REQUIRED BY THE APPLICABLE EVALUATION REPORT.

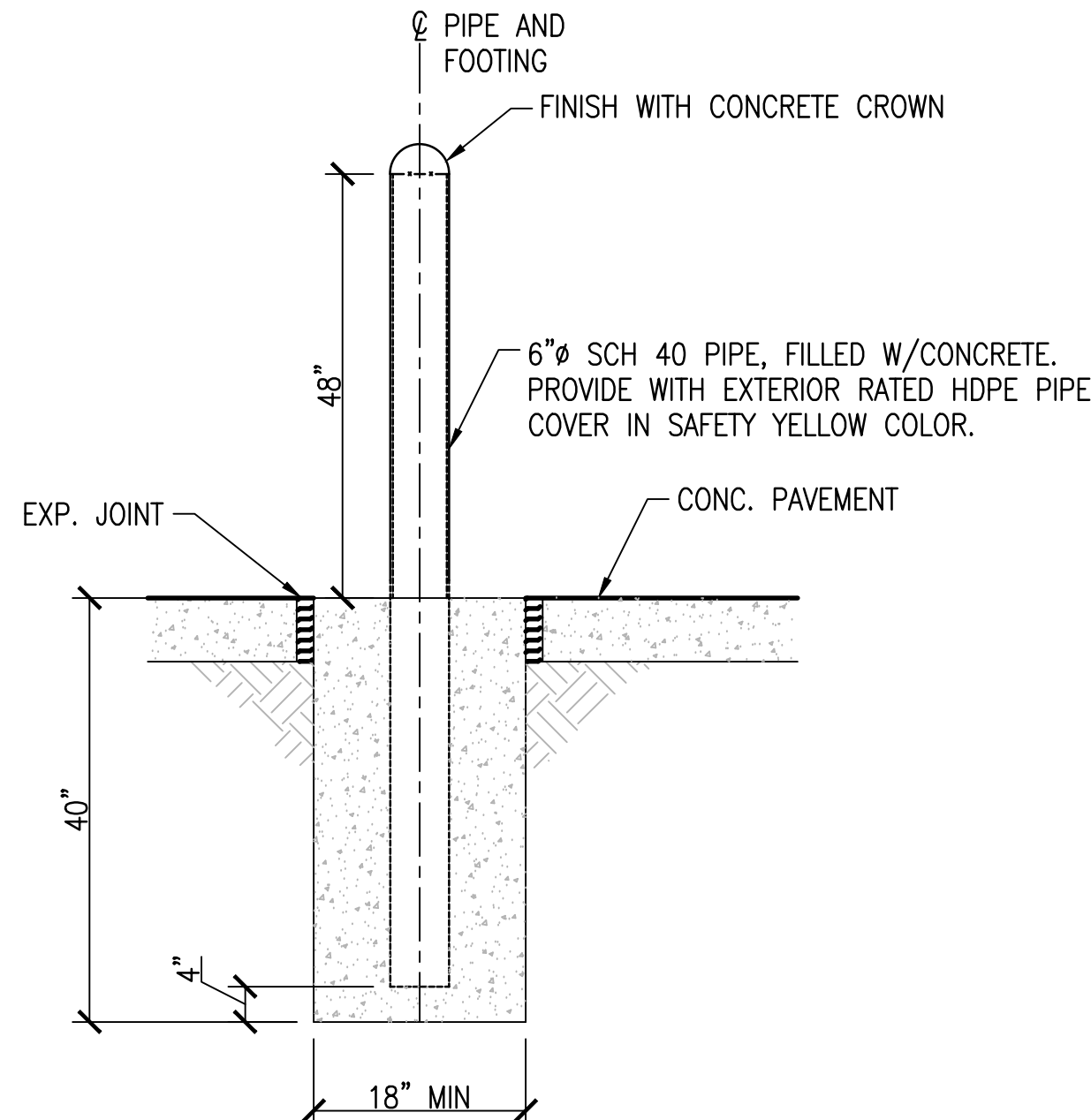
CONCRETE ANCHORS:

1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193 FOR CRACKED AND UNCRACKED CONCRETE.
2. MECHANICAL ANCHORS SHALL NOT BE INSTALLED INTO CONCRETE THAT IS LESS THAN 7 DAYS OLD.
3. BASIS OF DESIGN (BOD) AND ALTERNATIVE (ALT) MECHANICAL ANCHORS AND ASSOCIATED EVALUATION REPORTS ARE AS FOLLOWS:

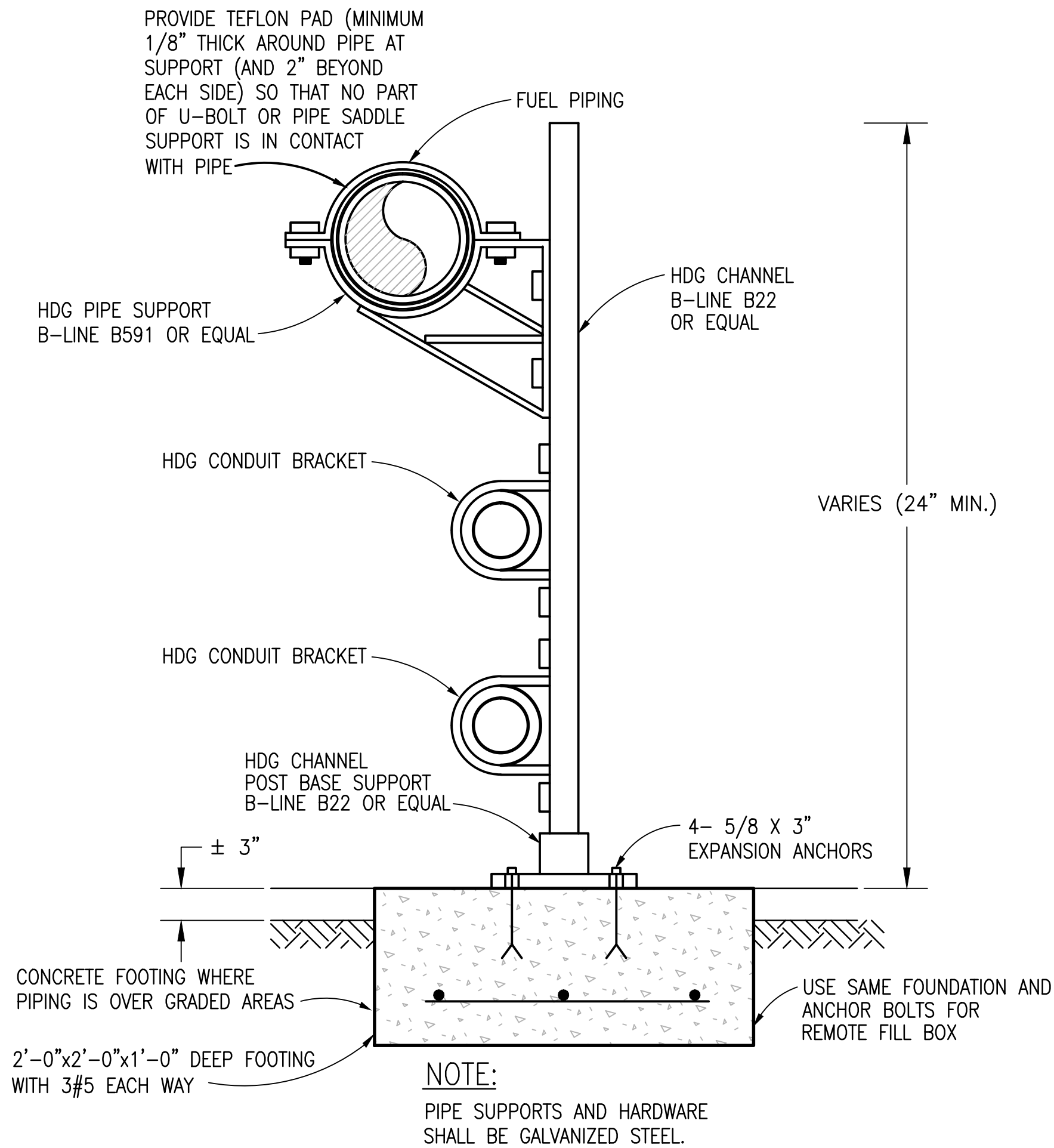
ANCHOR TYPE	MFR	PRODUCT (EVALUATION REPORT)
EXPANSION ANCHOR	BOD HILTI	KWIK BOLT TZ (ICC-ES ESR-1917)
	ALT SIMPSON	STRONG-BOLT 2 (ICC-ES ESR-3037)
	ALT POWERS	POWER-BOLT + (ICC-ES ESR 3260)

1. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED AND UNCRACKED CONCRETE.
2. ADHESIVE ANCHORS SHALL NOT BE INSTALLED INTO CONCRETE THAT IS LESS THAN 14 DAYS OLD.
3. INSTALLATION OF ADHESIVE ANCHORS INSTALLED HORIZONTALLY OR UPWARDLY INCLINED SUPPORTING SUSTAINED TENSION LOADS SHALL BE PERFORMED BY PERSONNEL HAVING PASSED A PERFORMANCE TEST IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT.
4. BASIS OF DESIGN (BOD) AND ALTERNATIVE (ALT) ANCHORS AND ASSOCIATED EVALUATION REPORTS ARE AS FOLLOWS:

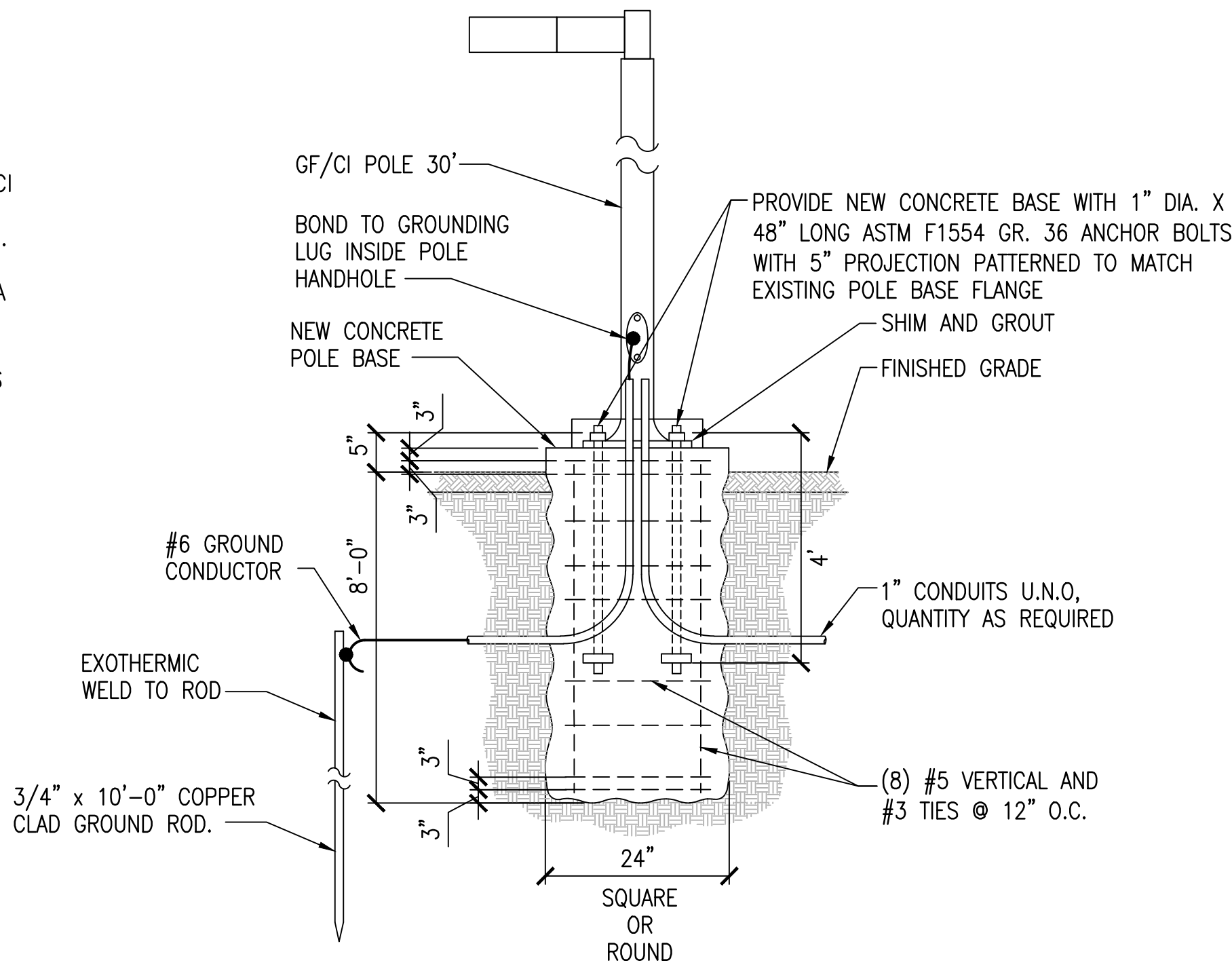
ANCHOR TYPE	MFR	PRODUCT (EVALUATION REPORT)
ADHESIVE ANCHOR	BOD HILTI	HIT-HY 200 (ICC-ES ESR-3187)
	ALT SIMPSON	SET-XP (ICC-ES ESR 2508)
	ALT POWERS	PE1000+ (ICC-ES ESR 2583)



FIXED BOLLARD  
SCALE: NOT TO SCALE



PIPE SUPPORT DETAIL  
SCALE: NOT TO SCALE



LIGHT POLE FOUNDATION  
SCALE: NOT TO SCALE

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REV-DESC-5	REV-DATE
REV-DESC-4	REV-DATE
REV-DESC-3	REV-DATE
REV-DESC-2	REV-DATE
REV-DESC-1	REV-DATE
Revisions	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

**RS&H**  
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www.rsandh.com  
FL Cert. No. AAC001686 EB0005620 LCC000210  
Project Number: 301-3027-001

Drawing Title  
GENERAL NOTES AND DETAILS

Approved Project Director  
WEST PALM BEACH VAMC  
FACILITIES MANAGEMENT SERVICE

Project Title  
E85 FUELING STATION  
WEST PALM BEACH VAMC

Project Number  
548-201

Building Number  
-

Location  
WEST PALM BEACH

FL

Date  
01-15-2015

Checked  
DMH

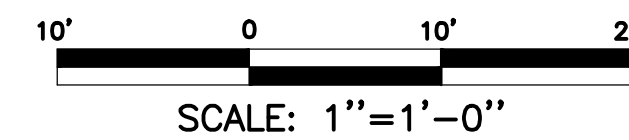
Drawn  
DWS

Drawing Number  
S-001

Dwg.3 of 7

Office of  
Construction  
and Facilities  
Management

Department of  
Veterans Affairs



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 Department of  
Veterans Affairs

2 0 2 4 6

$\frac{3}{8}$  IN = 1 FT

EXISTING CONCRETE PAVEMENT, TYP

8" SLAB WITH #4 AT 12" E.W. (CENTERED)

LINE OF EXCAVATION

1' MIN

3/4" EXP ANCHOR WITH 6" MIN. EMBEDMENT, TYP


1/2" EXP JOINT MATL TYP

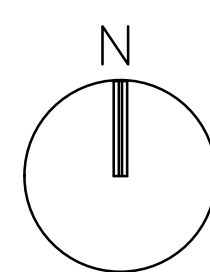
MEET AND MATCH EXISTING CONCRETE ELEVATION, TYP

2" MIN

(3) #5 CONT. WITH #5 @ 15" O.C. TRANSVERSE TYP

SCALE: NOT TO SCALE





5' 0 5' 10

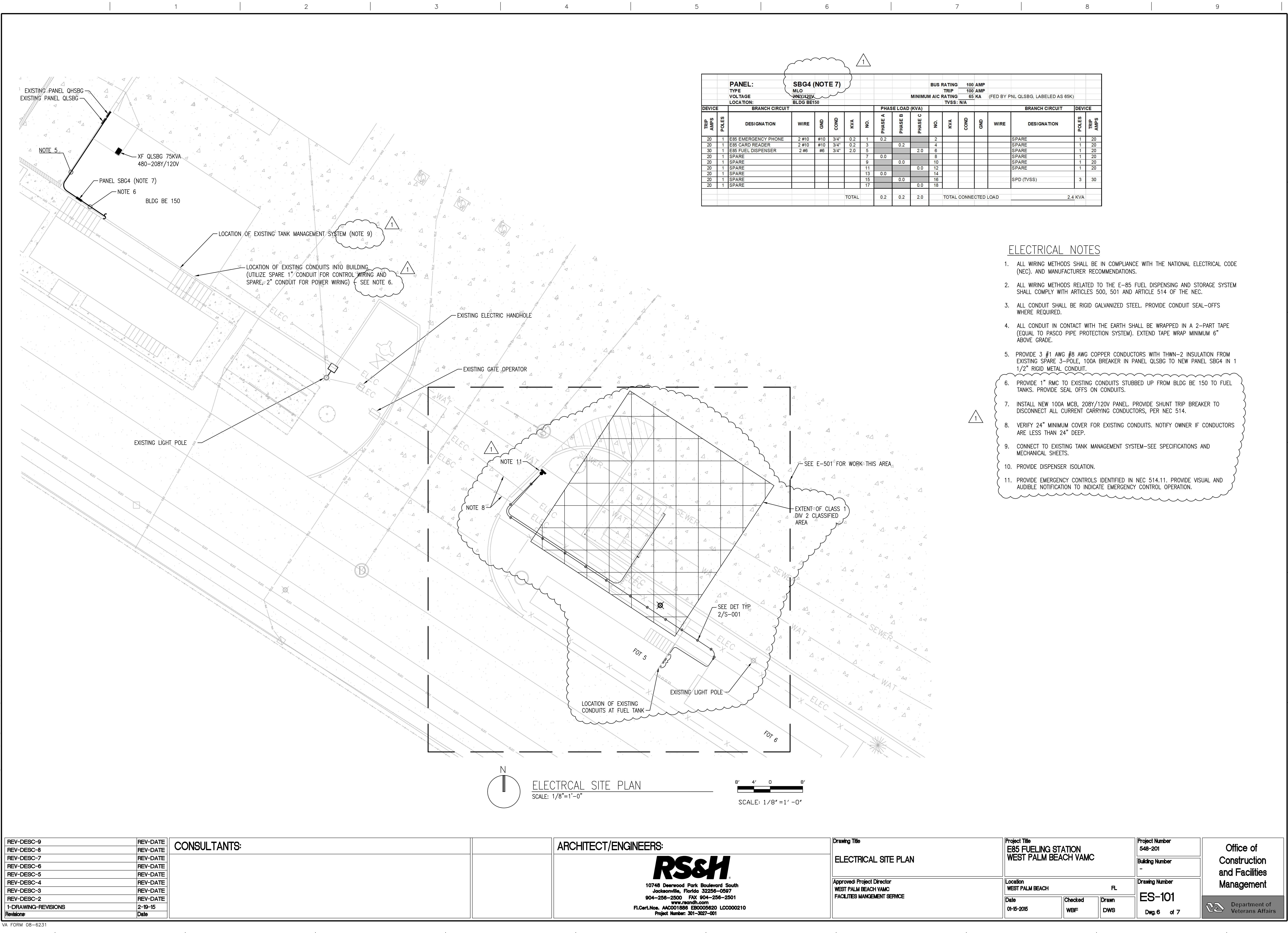
SCALE: 1"=5'-0"

- ① PROVIDE PACKAGE E85 FUELING STATION WITH 5,000 GALLON UL-2085 FUEL TANK. PACKAGED SYSTEM SHALL INCLUDE FUEL DISPENSER, FUEL MANAGEMENT SYSTEM, AND FUEL PUMP. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ② ADA COMPLIANT FUEL MANAGEMENT SYSTEM CONSOLE STAND ALONE FUEL FORCE EXACTA C OR EQUAL
- ③ FUEL DISPENSER
- ④ REMOTE FILL BOX, MORRISON BROS MODEL 515 OR EQUAL.
- ⑤ FILL ALARM MOUNTED TO SIDE OF REMOTE FILL BOX. PROVIDE TANK GAUGE ON TANK AND ALL REQUIRED INTERCONNECTING WIRING AND CONDUIT. MORRISON BROS MODEL 918 OR EQUAL.
- ⑥ EXTERIOR RATED FIRE EXTINGUISHER CABINET AND STAND. ANCHOR STAND TO CONCRETE WITH CONCRETE EXPANSION ANCHORS. CABINET SHALL ACCOMMODATE 20 LB FIRE EXTINGUISHER TO BE PROVIDED BY GOV'T. BROOKS EQUIPMENT FGC26 CABINET AND FES2 STAND OR EQUAL.
- ⑦ PROVIDE INTEGRATED CANOPY WITH LIGHTING TO COVER FUEL DISPENSER AND FUEL MANAGEMENT SYSTEM CONSOLE. CANOPY SHALL BE FULLY SUPPORTED BY PACKAGED FUELING STATION AND SHALL BE A MINIMUM OF FOUR FEET IN LENGTH.

CONSULTANTS:

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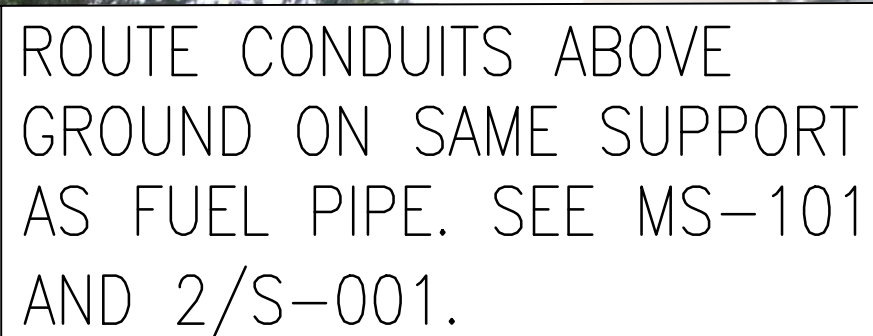




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- 1

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PROVIDE SUPPORTS FOR  
OVERHEAD INSTALLATION OF  
CONDUITS TO MAINTAIN  
ELEVATION OF UNDERSIDE OF  
GRATE SUPPORTS.  
COORDINATE INSTALLATION  
WITH VA SAFETY PERSONNEL.

# INSTALL CLASS I DIV 2 HAZARDOUS LOCATION SEALING FITTING

SEE SITE PLAN  
FOR CONTINUATION  
OF CONDUIT

PROVIDE VERTICAL  
SUPPORTS FOR  
CONDUIT IN  
ACCORDANCE WITH  
NEC.

A diagram of a circle with a vertical line segment passing through its center. The line segment is labeled 'N' at the top.

4' 2' 0 4'


SCALE:  $1/4" = 1' - 0"$

REV-DESC-9	REV-DATE
REV-DESC-8	REV-DATE
REV-DESC-7	REV-DATE
REV-DESC-6	REV-DATE
REV-DESC-5	REV-DATE
REV-DESC-4	REV-DATE
REV-DESC-3	REV-DATE
REV-DESC-2	REV-DATE
1-DRAWING-REVISIONS	2-19-15
Revisions:	Date

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**RS&H**

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Project Number: 301-3027-001

Drawing Title  DETAIL - E85 ELECTRICAL CONNECTIONS		Project Title E85 FUELING STATION WEST PALM BEACH VAMC		Project Number 548-201		Office of Construction and Facilities Management
				Building Number -		
Approved Project Director WEST PALM BEACH VAMC FACILITIES MANAGEMENT SERVICE		Location WEST PALM BEACH  FL		Drawing Number  E-501		
		Date 01-15-2015	Checked WBF	Drawn DWS	Dwg. 7 of 7	
		 Department of Veterans Affairs				